82	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. 15.53.2 -do- with primer Ground Floor	Sqm	269.50	269.50	47904.68	0.00	177.76	0.00	269.50	47904.68
83	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. 15.53.2 -do- with primer First Floor Floor	Sqm	372.17	372.17	67470.07	0.00	181.29	0.00	372.17	67470.07
84	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. 15.53.2 -do- with primer Second Floor	Sqm	470.13	368.20	68050.87	101.83	184.82	18819.60	470.03	86870.47
85	Providing and applying painting in two coats with plastic emulsion of approved brand on wall surface to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with primer	Sqm	1187.12	1152.62	122117.78	34.50	105.95	3655.36	1187.12	125773.15
86	Providing and applying painting in two coats with plastic emulsion of approved brand on ceiling surface to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with primer	Sqm	912.51	802.44	88795.44	110.07	110.66	12179.77	912.51	100975.22
87	Fixing of door frames in an exisying opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications.	Nos	18.00	18.00	22333.84	0.00	1240.77	0.00	18.00	22333.84
88	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications.	Cum	0.50	0.50	60334.62	0.00	121080.91	0.00	0.50	60334.62

89	Providing and fixing in position fully panelled Hiorne wood shutters for doors, styles and rails of 30mm thick with bottom and lockrails 180mm wide top rail and styles 100mm wide as per drawing andpanels of 25mm thick including cost of materials, labour, HOM ofmachineries complete as per specifications. (excluding cost of fixtures)	Sqm	21.34	21.34	104008.42	0.00	4874.79	0.00	21.34	104008.42
90	Applying priming coat over new wood surface and / or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications	Sqm	40.84	40.84	1971.15	0.00	48.27	0.00	40.84	1971.15
91	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.	Sqm	41.79	41.79	4132.40	0.00	98.88	0.00	41.79	4132.40
92	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm	76.53	76.53	7386.99	0.00	96.53	0.00	76.53	7386.99
93	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid with a bed of 20mm thick 1:4 cm jointed with neat cement slurry mixed with pigments to match shade of granite slabs including laying POP on finished surface and cleaning the surface ,including cost of all materials, motor and labours etc., complete as per specifications. Ground Floor	Sqm	352.74	345.72	936451.08	7.02	2708.74	19015- ~~19023.73~~	352.74	955466- ~~955474.81~~
94	Providing and laying granite flooring in combination of 19mm thick (Avg) gang saw cut LAKARD granite with 86% and with 14% of 19mm thick (Avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM1:4 cut to required shape,pattern with paper joints , finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant,grooves in joints including the cost of all materials and labours etc., complete as per specifications. -First FLoor	Sqm	380.75	365.12	1600410.11	15.63	4383.30	68511- ~~68512.80~~	380.75	1668921- ~~1668922.91~~
95	Providing and laying granite flooring in combination of 19mm thick (Avg) gang saw cut LAKARD granite with 86% and with 14% of 19mm thick (Avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM1:4 cut to required shape,pattern with paper joints , finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant,grooves in joints including the cost of all materials and labours etc., complete as per specifications. Second FLoor	Sqm	65.20	61.80	270997.33	3.40	4385.07	14909.24	65.20	285906.56

96	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. Ground FLoor	Sqm	22.20	22.20	30733.40	0.00	1384.39	0.00	22.20	30733.40
97	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. First FLoor	Sqm	3.60	3.60	4990.15	0.00	1386.15	0.00	3.60	4990.15
98	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms. Ground Floor	Sqm	49.56	49.56	86579.58	0.00	1746.96	0.00	49.56	86579.58
99	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms. First Floor	Sqm	19.53	19.53	34152.71	0.00	1748.73	0.00	19.53	34152.71
100	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. Ground Floor	Sqm	14.58	14.58	98244.31	0.00	6738.29	0.00	14.58	98244.31
101	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification.First Floor	Sqm	14.58	14.58	98270.05	0.00	6740.06	0.00	14.58	98270.05

102	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods,or combination of M.S. flats and square rods as per approved design,drawing including cutting steel sections and welding the same torequired pattern with a coat of red lead primer, cost of materials, fixtures,labour and HOM of machinery complete as per specifications Ground Floor	Kg	126.00	126.00	11569.52	0.00	91.82	0.00	126.00	11569.52
103	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods,or combination of M.S. flats and square rods as per approved design,drawing including cutting steel sections and welding the same torequired pattern with a coat of red lead primer, cost of materials, fixtures,labour and HOM of machinery complete as per specifications Second Floor	Kg	170.10	170.10	17621.27	0.00	103.59	0.00	170.10	17621.27
104	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm. for bottom section 1.1mm thick, weight 1.205 kg/m; sides and top sections 1.2 mm. thick weight 1.093 kg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417 kg./m, shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. weight 0.469 kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles, tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading including cutting to required length, joints mitred subdividing the frame, tenonned and rivetted in the assembled frame to be stiffened with end clips at corners, angles etc.; fixed to the walls, lintels, floor beams;cills, as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar; aluminium sections pretreated for removal of any rust and coated with greasy materials for non adhesion of mortar and other sticky materials; (this coating should be cleaned after installation) including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. using aluminium section anodized to 12 - 15 microns. Ground Floor	Sqm	38.52	36.04	177384.31	2.48	4921.87	12206.25	38.52	189590.56

			Quantity	Qty	Cost	Qty	Rate	Cost	Qty	Cost
105	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm. for bottom section 1.1mm thick, weight 1.205 kg/m; sides and top sections 1.2 mm. thick weight 1.093 kg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417 kg./m, shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. weight 0.469 kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles, tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading including cutting to required length, joints mitred subdividing the frame, tenonned and rivetted in the assembled frame to be stiffened with end clips at corners, angles etc.; fixed to the walls, lintels, floor beams;cills, as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar; aluminium sections pretreated for removal of any rust and coated with greasy materials for non adhesion of mortar and other sticky materials; (this coating should be cleaned after installation) including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. using aluminium section anodized to 12 - 15 microns. First Floor	Sqm	32.61	32.61	160669.59	0.00	4927.76	0.00	32.61	160669.59

			Quantity	Qty	Cost	Qty	Rate	Cost	Qty	Cost
106	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm. for bottom section 1.1mm thick, weight 1.205 kg/m; sides and top sections 1.2 mm. thick weight 1.093 kg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417 kg./m, shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. weight 0.469 kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles, tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading including cutting to required length, joints mitred subdividing the frame, tenonned and rivetted in the assembled frame to be stiffened with end clips at corners, angles etc.; fixed to the walls, lintels, floor beams;cills, as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar; aluminium sections pretreated for removal of any rust and coated with greasy materials for non adhesion of mortar and other sticky materials; (this coating should be cleaned after installation) including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. using aluminium section anodized to 12 - 15 microns. Second Floor	Sqm	5.40	5.40	26641.68	0.00	4933.65	0.00	5.40	26641.68
107	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Second Floor	Cum	86.56	70.38	467414.03	16.18	6641.76	107464 ~~107477.00~~	86.56	574891.03
108	Extra for use of water proofing compound in cement concrete of mix 1:1.5:3, @ 1kg of compound per Bag of cement.Second Floor	Cum	28.98	28.98	6447.78	0.00	222.49	0.00	28.98	6447.78
109	Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 110 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications Rain Down Pipe	M	43.20	43.20	24308.71	0.00	562.70	0.00	43.20	24308.71

			Quantity	Qty	Cost	Qty	Rate	Cost	Qty	Cost
110	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching , refilling & testing of joints complete. (external work). 25mm nominal OD pipes.CPVC Pipe	m	120.00	120.00	23308.56	0.00	194.24	0.00	120.00	23308.56
111	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Gate Valve	Each	3.00	3.00	2118.96	0.00	706.32	0.00	3.00	2118.96
112	Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Pg no:91.Item no13.25	Each	16.00	16.00	5123.17	0.00	320.20	0.00	16.00	5123.17
113	Providing and fixing to wall, ceiling and floor, medium densitypolyethylene pipes 6.00 kgf/sq.cm working pressure 140mm outsidediameter with special flange, compression type fittings, wall clips, makinggood the wall, ceiling and floor, including cost of all materials, labourcharges, HOM of equipments and testing complete as per specifications	m	100.00	100.00	62627.04	0.00	626.27	0.00	100.00	62627.04
114	Providing and placing on terrace, polyethylene waterstorage tanks with manhole lid and suitable locking arrangements,making holes of suitable diameter for inlet, outlet and over flow pipes,including cost of all materials, labour, transport charges, HOM ofequipments and testing complete as per specifications.(For 1000 litre capacity)Water tank	Nos	1.00	1.00	9967.35	0.00	9967.35	0.00	1.00	9967.35
115	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot).12.113.1 -do- 10cms x 7.5cms .	Nos	6.00	6.00	1765.80	0.00	294.30	0.00	6.00	1765.80
116	Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality 25mm dia nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each	2.00	2.00	1426.77	0.00	713.38	0.00	2.00	1426.77

				Qty	Cost	Qty	Rate	Cost	Qty	Cost
117	Constructing brick masonry inspection chamber 455x610mm, and 450mm depth , (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.	Each	4.00	4.00	33154.66	0.00	8288.67	0.00	4.00	33154.66
118	Providing and fixing water meter with stop cock, jam nut, socket in G.I pipe line including cutting and threading the pipe and making long screws including cost of all materials, labour, HOM of equipments and testing complete as per specifications. Water Meter	Set	1.00	1.00	1551.55	0.00	1551.55	0.00	1.00	1551.55
119	Providing ,supplying & commissionig of 1.0H.P/75 kW (submersible single phase pump)of ATLANTA/SUGUNA/CRI/KIRLOSKAR/OTHER EQUALENT PUMPS	Nos	1.00	1.00	13799.40	0.00	13799.40	0.00	1.00	13799.40
120	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.1 / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	Each	6.00	6.00	36234.22	0.00	6039.04	0.00	6.00	36234.22
121	Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 43Ox260x350mm with 5 litres PVC automatic flushing cistern, C.1 I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	Unit	1.00	1.00	3411.90	0.00	3411.90	0.00	1.00	3411.90
122	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications	Unit	4.00	4.00	5556.38	0.00	1389.10	0.00	4.00	5556.38
123	Providing and fixing C.P. brass towel rail 600mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labour complete as per specifications.	Unit	4.00	4.00	3343.25	0.00	835.81	0.00	4.00	3343.25

SNo	Item Name	Unit	Estimate Quantity	Previous Measurement							
				Qty	Cost	Qty	Rate	Cost	Qty	st
124	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary. (19/20mm dia 2mm thick)	Mtr	435.00	435.00	20388.45	0.00	46.87	0.00	435.00	20388.45
125	25mm dia 2mm thick	Mtr	260.00	260.00	16153.80	0.00	62.13	0.00	260.00	16153.80
126	32mm dia 2.5mm thick	Mtr	125.00	125.00	12262.50	0.00	98.10	0.00	125.00	12262.50
127	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete upto 50mm conduit in brick wall	Mtr	175.00	175.00	4005.75	0.00	22.89	0.00	175.00	4005.75
128	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm .... etc. as required. 25mm	Mtr	120.00	120.00	3400.80	0.00	28.34	0.00	120.00	3400.80
129	Supplying PVC/GI flexible conduit pipe...mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of the pipe terminated completely 25mm	Mtr	25.00	25.00	817.50	0.00	32.70	0.00	25.00	817.50
130	Supplying And Fixing Metal Fan Box with Round Hook.	Nos	28.00	28.00	2807.84	0.00	100.28	0.00	28.00	2807.84
131	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A Short point upto 3Mtr from tapping point to out let via switch	Point	13.00	13.00	2465.58	0.00	189.66	0.00	13.00	2465.58
132	Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch	Point	45.00	45.00	12017.25	0.00	267.05	0.00	45.00	12017.25
133	Long point above 6Mtr upto 10Mtr from tapping point to out let via switch	Point	89.00	89.00	35214.63	0.00	395.67	0.00	89.00	35214.63
134	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.1.5 sqmm	Mtr	960.00	960.00	19463.04	0.00	20.27	0.00	960.00	19463.04
135	2.5 sqmm	Mtr	1740.00	1740.00	55380.72	0.00	31.83	0.00	1740.00	55380.72
136	6 sqmm	Mtr	125.00	125.00	8692.75	0.00	69.54	0.00	125.00	8692.75
137	10 sqmm	Mtr	450.00	450.00	52974.00	0.00	117.72	0.00	450.00	52974.00
138	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way	Each	2.00	2.00	198.38	0.00	99.19	0.00	2.00	198.38

SNo	Item Name	Unit	Estimate Quantity							
				Qty	Cost	Qty	Rate	Cost	Qty	st
139	6 way	Each	11.00	11.00	1450.79	0.00	131.89	0.00	11.00	1450.79
140	8 way	Each	1.00	1.00	152.60	0.00	152.60	0.00	1.00	152.60
141	10-12Way	Each	18.00	18.00	3119.58	0.00	173.31	0.00	18.00	3119.58
142	16Way	Each	1.00	1.00	187.48	0.00	187.48	0.00	1.00	187.48
143	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module	Each	2.00	2.00	237.62	0.00	118.81	0.00	2.00	237.62
144	6 Module	Each	11.00	11.00	2074.27	0.00	188.57	0.00	11.00	2074.27
145	8 Module	Each	1.00	1.00	218.00	0.00	218.00	0.00	1.00	218.00
146	10 Module	Each	18.00	18.00	4453.74	0.00	247.43	0.00	18.00	4453.74
147	12 Module	Each	1.00	1.00	291.03	0.00	291.03	0.00	1.00	291.03
148	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A6Amps one way.	Each	23.00	23.00	1579.41	0.00	68.67	0.00	23.00	1579.41
149	6Amps Two way	Each	4.00	4.00	379.32	0.00	94.83	0.00	4.00	379.32
150	6Amps 3way socket.	Each	23.00	23.00	2381.65	0.00	103.55	0.00	23.00	2381.65
151	16Amps one way switch	Each	20.00	20.00	2485.20	0.00	124.26	0.00	20.00	2485.20
152	6/16Amps universal socket	Each	20.00	20.00	3204.60	0.00	160.23	0.00	20.00	3204.60
153	Stepped Fan Regulator	Each	28.00	28.00	8728.72	0.00	311.74	0.00	28.00	8728.72
154	Supplying 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slab.	Nos	450.00	450.00	3335.40	0.00	7.41	0.00	450.00	3335.40
155	Supplying box type suitable for 28W T5 single / twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holders & main connectors. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic.1x4'-28 Watts	Each	48.00	48.00	51796.80	0.00	1079.10	0.00	48.00	51796.80
156	Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring. 5 years Warranty against any manufacturing defect working under standard electrical condition..	Nos	69.00	69.00	140492.28	0.00	2036.12	0.00	69.00	140492.28
157	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	Each	6.00	6.00	1530.36	0.00	255.06	0.00	6.00	1530.36
158	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE 100Amps 25kA.	Each	1.00	1.00	6331.81	0.00	6331.81	0.00	1.00	6331.81
159	Supplying and fixing of Shunt trip suitable for MCCB.CBCT.	Each	3.00	3.00	4859.22	0.00	1619.74	0.00	3.00	4859.22

SNo	Item Name	Unit	Estimate Quantity	Previous Measurement		Present Measurement			Total Upto Date	
				Qty	Cost	Qty	Rate	Cost	Qty	Cost
160	Supplying, fixing and wiring earth leakage relay with core balanced current transformer suitable for single phase 50 Hz AC with latest microcontroller based, digital readout of percentage leakage current, programmable delay/auto/manual reset facility suitable to mount on DIN rail/ flush mounting on panel board	Each	1.00	1.00	8717.82	0.00	8717.82	0.00	1.00	8717.82
161	Supplying, fixing and wiring 0 to 600Volts 96x96mm AC Voltmeter on existing panel/wood board.	Each	1.00	1.00	425.10	0.00	425.10	0.00	1.00	425.10
162	Supplying, fixing and wiring 0 to 100amps Direct Reading AC analog type Ammeter	Each	1.00	1.00	492.68	0.00	492.68	0.00	1.00	492.68
163	Supplying, fixing and wiring rotary selector switch suitable for Ammeter.	Each	1.00	1.00	187.48	0.00	187.48	0.00	1.00	187.48
164	Supplying, fixing and wiring rotary selector switch suitable for Voltmeter.	Each	1.00	1.00	152.60	0.00	152.60	0.00	1.00	152.60
165	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.	Each	3.00	3.00	1445.34	0.00	481.78	0.00	3.00	1445.34
166	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. 100Amps 4x30x6mm Aluminum Strips	Mtr	2.00	2.00	4654.30	0.00	2327.15	0.00	2.00	4654.30
167	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40x40x6mm	Mtr	8.00	8.00	2293.36	0.00	286.67	0.00	8.00	2293.36
168	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	Sqcm	65000.00	65000.00	23380.50	0.00	0.36	0.00	65000.00	23380.50
169	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP	Each	28.00	28.00	12757.36	0.00	455.62	0.00	28.00	12757.36
170	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.III - Double Door 4Way TP &N	Each	3.00	3.00	7844.73	0.00	2614.91	0.00	3.00	7844.73
171	40-63Amps TPN	Each	4.00	4.00	8440.96	0.00	2110.24	0.00	4.00	8440.96

SNo	Item Name	Unit	Estimate Quantity	Qty	Cost	Qty	Rate	Cost	Qty	Cost
172	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board. 63 Amps 4 pole	Each	3.00	3.00	10954.50	0.00	3651.50	0.00	3.00	10954.50
173	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	Nos	2.00	2.00	5944.86	0.00	2972.43	0.00	2.00	5944.86
174	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip 25x3mm	Mtr	30.00	30.00	2517.90	0.00	83.93	0.00	30.00	2517.90
175	600x600x3mm GI Plate	Each	2.00	2.00	1709.12	0.00	854.56	0.00	2.00	1709.12
176	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.3.5 core 35 sqmm	Each	50.00	50.00	11118.00	0.00	222.36	0.00	50.00	11118.00
177	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.25 sqmm to 75 sqmm	Mtr	16.20	16.20	882.90	0.00	54.50	0.00	16.20	882.90
178	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete (As per Civil SR KSRB I-2, P-7) In soil (ordinary)	Mtr	10.00	10.00	850.20	0.00	85.02	0.00	10.00	850.20
179	Asphalt cutting	Mtr	10.00	10.00	1275.30	0.00	127.53	0.00	10.00	1275.30
180	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable	Mtr	10.00	10.00	1122.70	0.00	112.27	0.00	10.00	1122.70
181	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) 32mm dia	Each	2.00	2.00	265.96	0.00	132.98	0.00	2.00	265.96
182	Supply and laying double walled corrugated (DWC) HDPE Pipe including all necessary connecting Sockets/Couplings/Tees/Bends/End-caps of same materials in existing trench as per IS 14930 part -II suitable for drawing underground cables.50mm OD / 38mm ID .	Mtr	20.00	20.00	3291.80	0.00	164.59	0.00	20.00	3291.80
183	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 6 sqmm	Each	4.00	4.00	27.25	0.00	6.81	0.00	4.00	27.25
184	10 sqmm	Each	16.00	16.00	133.42	0.00	8.34	0.00	16.00	133.42
185	35 sqmm Long Barrel	Each	8.00	8.00	311.48	0.00	38.93	0.00	8.00	311.48
186	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete. 12" Sweep (300mm)	Each	6.00	6.00	23897.16	0.00	3982.86	0.00	6.00	23897.16
187	15" Sweep (450mm)	Each	2.00	2.00	9578.92	0.00	4789.46	0.00	2.00	9578.92

178	to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) In soil (ordinary)	Mtr	10.00	10.00	1275.30	0.00	127.53	0.00	10.00	1275.30
179	Asphalt cutting	Mtr	10.00	10.00	1122.70	0.00	112.27	0.00	10.00	1122.70
180	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable	Mtr	2.00	2.00	265.96	0.00	132.98	0.00	2.00	265.96
181	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) 32mm dia	Each	20.00	20.00	3291.80	0.00	164.59	0.00	20.00	3291.80
182	Supply and laying double walled corrugated (DWC) HDPE Pipe including all necessary connecting Sockets/Couplings/Tees/Bends/End-caps of same materials in existing trench as per IS 14930 part -II suitable for drawing underground cables.50mm OD / 38mm ID .	Mtr	4.00	4.00	27.25	0.00	6.81	0.00	4.00	27.25
183	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 6 sqmm	Each	16.00	16.00	133.42	0.00	8.34	0.00	16.00	133.42
184	10 sqmm	Each	8.00	8.00	311.48	0.00	38.93	0.00	8.00	311.48
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186	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete. 12" Sweep (300mm)	Each	2.00	2.00	9578.92	0.00	4789.46	0.00	2.00	9578.92
187	15" Sweep (450mm)	Each	28.00	28.00	57988.00	0.00	2071.00	0.00	28.00	57988.00
188	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm)Economy model	Each	7.00	7.00	6813.59	0.00	973.37	0.00	7.00	6813.59
189	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I.pipe	Each	121.00	121.00	12925.22	0.00	106.82	0.00	121.00	12925.22
190	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. On wall / ceiling / Rafter / Girders	Each	28.00	28.00	4242.28	0.00	151.51	0.00	28.00	4242.28
191	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.				15955016.00			2385206		18340091.22
	TOTAL AMOUNT									

Rs: 1,59,55063-6

Rs: 23,85,097-

Rs: 1,83,40,160-6

Assistant Engineer
Yelahanka Project Division

Assistant Executive Engineer
Yelahanka Project Division

Officer

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